



# AccuAlert DPM

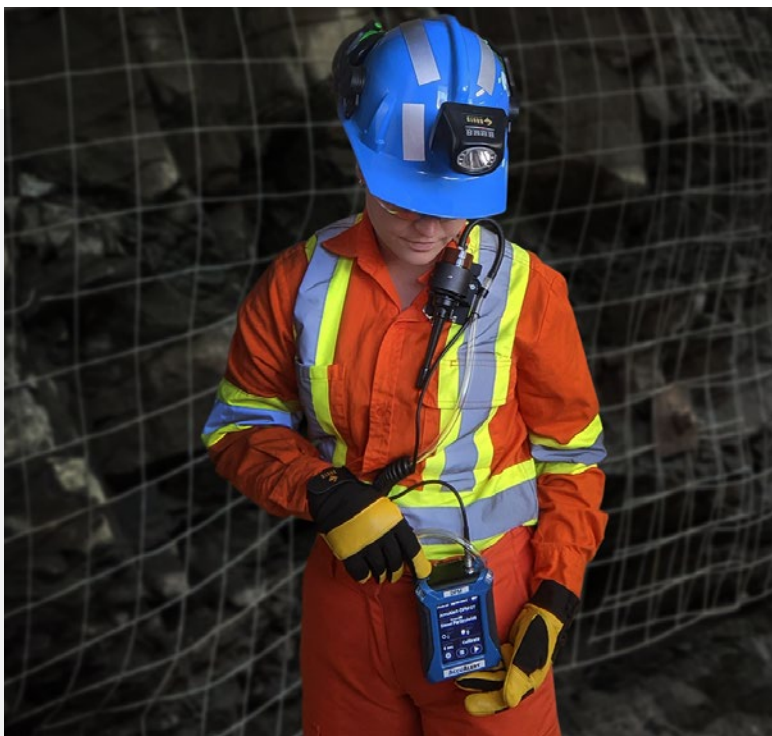
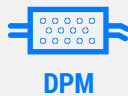
Personal Diesel Particulate Monitor.

A portable diesel particulate monitor that provides real-time readings of diesel particulate concentrations.



## REAL-TIME DIESEL PARTICULATE MATTER READINGS

The AccuAlert DPM is a portable diesel particulate monitor that provides real-time readings of diesel particulate concentrations. The personal monitor provides alarms for diesel concentrations based on STEL, TWA, max and min that can be viewed instantly on the display. The unit also features a filter cassette that allows users to simultaneously collect samples for NIOSH compliance testing. The software logs reports and graphs making the AccuAlert DPM an excellent survey compliance tool for determining worker exposure to diesel contaminants.



## PERSONAL DPM MONITORING

The AccuAlert DPM is a compact personal monitor for diesel particulate matter. The small sensor is placed in the OSHA defined breathing zone to get accurate readings of respirable DPM. The AccuAlert DPM has customizable audible alarms to warn workers of approaching threshold limits before they become hazardous. The touch screen allows users to easily setup the device and display real-time particulate levels in no time.

## REAL-TIME MONITORING

Particulates are drawn into the AccuAlert DPM and are detected once every second. The concentrations are calculated and displayed instantaneously on the touch screen display. The real-time data allows mines to perform DPM audits, without pre-loaded filters, more often than may be feasible with laboratory testing.

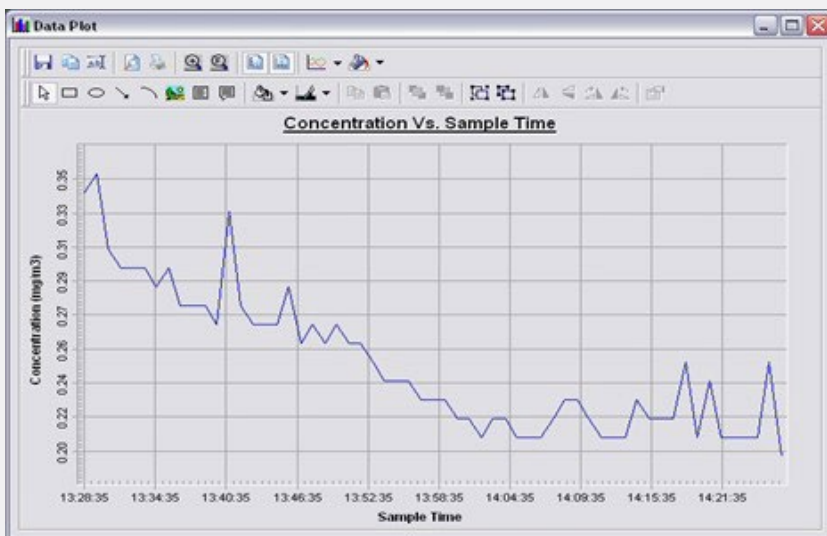


## NIOSH COMPLIANCE TESTING

Not only does the AccuAlert DPM provide real-time DPM readings, it also provides samples for NIOSH 5040 compliance with a NIST standard flow compensated pump. Pre-loaded 37 or 25 mm filter cassettes are placed directly after the measurement chamber. Lab analysis, along with real-time data allows the user to know exactly when they were exposed to DPM.

## EASY TO USE

The AccuAlert DPM is designed to be easy to use and maintain. The sensor chamber has a removable shield so that the optical sensor can be easily cleaned. The unit also allows for in field calibration verification as well as zero calibration. The battery lasts for more than 22 hours for uninterrupted monitoring.



## DATA LOGGING SOFTWARE

The AccuAlert DPM features an easy to use Windows application software for downloading data, analyzing trends and reporting DPM concentrations over time. The program allows for comprehensive time vs concentration data logging and graphing. The data can provide detailed statistical analysis plotted into graphs and charts.

# ACCUALERT DPM SPECIFICATIONS

<b>Measures</b>	<b>Particulate</b> Diesel particulate matter	<b>Concentration Range</b> 1 to 20,000 µg/m <sup>3</sup>	<b>Resolution</b> 1 µg/m <sup>3</sup>
	<b>Sample Flow Rate</b> 1.0 to 5.0 liters/minute (temperature, pressure & load compensated)	<b>Accuracy</b> +/- 10% to EC lab results	<b>Calibration</b> NIOSH gravimetric reference NIST traceable SAE fine dust
<b>Physical</b>	<b>Enclosure</b> Four key splash-proof membrane switch	<b>Battery</b> Lithium Ion pack 22+ hour running at 2.0LPM with IOM and no filter	<b>Weight</b> Instrument 508 g (1.14lbs) Sensor 270g (0.6 lbs)
	<b>Temperature Rating</b> 0°C to 50°C	<b>Humidity</b> 95% non-condensing	<b>Filter Cassette</b> 37mm disposable 25mm disposable
<b>Cyclone</b>	<b>GS-3 Respirable Dust Cyclone - Standard</b> 4.0 µm 50% cut-point @ 2.75 LPM	<b>SCC1.062 Triplex Cyclone</b> 1.0 µm cut-point @ 3.5 LPM 2.5 µm cut-point @ 1.5 LPM 4.0 µm cut-point @ 1.05 LPM	<b>SCC0.695 Personal Sampling Cyclone</b> 0.8 µm cut-point @ 2.21 LPM
<b>Communication</b>	<b>Digital Output</b> Micro USB 6.00' (1.83m)	<b>Software</b> Windows driven	<b>Alarms</b> Setpoints: STEL & Ceiling Alarms Visual LEDs Flashing
	<b>Memory</b> 43,000 data points	<b>Alarm Output</b> 90db at 3ft -Dismissible by User	
<b>Data Display</b>	TWA MAX MIN STEL	Date Time Run Time Log rate	Aerosol profiles Calibration factor Alarm levels Graph



+1.705.682.0814

info@accutroninstruments.com

www.accutroninstruments.com



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